CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KR/17/2021-22 Date:13.08.2021

TEST REPORT ON CEMENT

Client	**: Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency	**: Sri. Karibasappa R,** Contractor, Bangalore.
Name of Work	: Community property maintenance (Including Parks)in J.P Park in Ward no.17, BBMP, Bangalore.
Sample ID:	:Cement (Zuari 53 grade OPC)
Location	: 8th main road, Brindavana Nagara Mathikere
Stage	: For PCC work
Sample Supplied by:	:AGENCY
Date of Manufacture:	: July - 2021
Date of Testing	: 11.08.2021 to 13.08.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	350 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Note:

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3. Any Query regarding the report must be reported within 30days from the date of testing.

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Job No.: CQCE/BBMP/KR/17/2021-22

Date : 13.08.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency : **Sri. Karibasappa R,** Contractor, Bangalore.
Name of Work : Community property maintenance (Including Parks)in J.P Park in Ward no.17, BBMP, Bangalore.
Location : 8th main road, Brindavana Nagara Mathikere
Stage : For PCC work
Date of Testing : 13.08.2021
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	80	8.00	8.00	92.0	90-100
2.36	121	12.10	20.10	79.9	75-100
1.18	182	18.20	38.30	61.7	55-90
600 Micron	240	24.00	62.30	37.7	35-59
300 Micron	195	19.50	81.80	18.2	8-30
150 Micron	160	16.00	97.80	2.2	0-10

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Job No.: CQCE/BBMP/KR/17/2021-22

Date : 13.08.2021

TEST REPORT ON COARSE AGGREGATES

Client	**: Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency	**: Sri. Karibasappa R,** Contractor, Bangalore.
Name of Work	: Community property maintenance (Including Parks)in J.P Park in Ward no.17, BBMP, Bangalore.
Location	: 8th main road, Brindavana Nagara Mathikere
Stage	: For PCC work
Date of Testing	: 13.08.2021
IS Code	:IS 383:2016
	:IS 2386 (Part 1):1963(RA 2011)
Material	: 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	223	1.49	1.49	98.51	95-100
20	8524	56.83	58.31	41.69	30-70
10	3326	22.17	80.49	19.51	10-35
4.75	2547	16.98	97.47	2.53	0-5

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KR/17/2021-22

Date : 13.08.2021

TEST REPORT ON COARSE AGGREGATES

Client	: Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency	: Sri. Karibasappa R, Contractor, Bangalore.
Name of Work	: Community property maintenance (Including Parks)in J.P Park in Ward no.17, BBMP, Bangalore.
Location	: 8th main road, Brindavana Nagara Mathikere
Stage	: For PCC work
Date of Testing	: 13.08.2021
IS Code	:IS 383:2016
	:IS 2386 (Part 1):1963(RA 2011)
Material	: 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	230	4.6	4.6	95.4	95-100
10	2547	50.9	55.5	44.5	25-55
4.75	1852	37.0	92.6	7.4	0-10

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Job No.: CQCE/BBMP/KR/17/2021-22

Date : 13.08.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency : **Sri. Karibasappa R,** Contractor, Bangalore.
Name of Work : Community property maintenance (Including Parks)in J.P Park in Ward no.17, BBMP, Bangalore.
Location : 8th main road, Brindavana Nagara Mathikere
Stage : For PCC work
Date of Testing : 13.08.2021
Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	18	1.80	1.80	98.2	90-100
1.18	22	2.20	4.00	96.0	70-100
600 Micron	86	8.60	12.60	87.4	40-100
300 Micron	260	26.00	38.60	61.4	5-70
150 Micron	470	47.00	85.60	14.4	0-15

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CQCE/BBMP/KR/17/2021-22

31.08.2021

TEST REPORT ON MECHANICAL PROPORTIES OF CHAIN LINK FENCING, M.S.BLOCK PIPE, M.S. RECTANGULAR POLE

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. Karibasappa R,** Contractor, Bangalore.

Name of Work : Community property maintenance (Including Parks)in J.P Park in Ward no.17, BBMP, Bangalore.

Location : 8th main road, Brindavana Nagara Mathikere

Stage : For flagging course

Sample Identification: Chain link fencing, MS-Block Pipe 38MM dia, M.S. Rectangular Pole

Reference to BIS code: IS 1161:1998 Steel for Structural Purposes-Specification

Date of test: 30.08.2021 to 31.08.2021

Description of Sample	Description	Results	Required as per IS 1161-1998
Chain link fencing 50 mm of 8 Gauge	Diameter	3.30 mm	3.15mm
	Measured mesh	size 53 mm	50 ± 3 mm

Description of Sample	Description	Results	Required as per IS 1161-1998
MS-Block Pipe 38MM dia of heavy guage of 14	Mass	2.24 Kg/m	
	Yield Stress	221 N/mm2 Mpa	210 Mpa min
	Tensile Strength	343 N/mm2 Mpa	330 Mpa min
	Percent	22	20% min

Description of Sample	Description	Results	Required as per IS 2062:2006, 608:1989
M.S. Rectangular Pole of 2 equal angles 65mm X 65mm X 6mm	Mass	5.82 Kg/m	5.8
	Yield Stress	170 N/mm2 Mpa	165 Mpa min
	Tensile Strength	314N/mm2 Mpa	290 Mpa min
	Percent	25	23% min

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